

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6351418".pn.	US-PGPUB; USPAT	OR	ON	2006/10/17 11:31
L2	100	("5417319" "6292830" "4993249" "5416472" "5598151" "4274080" "4435966" "4472952" "4631358" "4763496" "4776187" "4807139" "4877179" "4986425" "5020346" "5235830" "5360246" "5451935" "5485733" "5823341" "5917908" "6176110" "6182480" "6374653" "6619079" "20020002654" "20030121296" "20040172534" "20040172545" "20060129844" "4502305" "4506530" "4599876" "4244496" "4266415" "4313281" "4371205" "4413849" "4425771" "4450699" "4481796" "4534192" "4809326" "4941196" "5265451" "5487523" "5544440" "5561996" "5698073" "5754108" "5823025" "5865479" "6105406" "6182482" "5630057" "5708715" "5842212" "4797920" "4834238" "5390514" "5428684" "5497418" "5539825" "5708712" "5734571" "5841351" "5943283" "5982899" "6014748" "6089460" "6154840" "6185685" "4281216" "4405057" "4439808" "4477130" "4486057" "4599875" "4782529" "4809327" "4871065" "4908861" "4985615" "5025946" "5215189" "5238125" "5247575" "5293029" "5402492" "5475826" "5479512" "5479799" "5552897" "5694569" "5727065" "5737420" "5742807" "5748742" "5761733" "5784461" ).pn.	US-PGPUB; USPAT	OR	ON	2006/10/17 11:43
L3	1	security adj release adj key	US-PGPUB; USPAT	OR	ON	2006/10/17 11:44
L4	0	("2002/0002654").URPN.	USPAT	OR	ON	2006/10/17 11:44
L5	5473	security adj2 key	US-PGPUB; USPAT	OR	ON	2006/10/17 11:44
L6	3114	security adj key	US-PGPUB; USPAT	OR	ON	2006/10/17 11:44
L7	364	security with key with release	US-PGPUB; USPAT	OR	ON	2006/10/17 11:47
L8	1	"5708715".pn. and (internal stored inside)	US-PGPUB; USPAT	OR	ON	2006/10/17 11:50
L9	12991	internal with key	US-PGPUB; USPAT	OR	ON	2006/10/17 11:51
L10	703	internal adj key	US-PGPUB; USPAT	OR	ON	2006/10/17 11:51
L11	1996	internal with key and integrated adj circuit	US-PGPUB; USPAT	OR	ON	2006/10/17 11:51
L12	80	(internal with key same lock) and integrated adj circuit	US-PGPUB; USPAT	OR	ON	2006/10/17 12:29
L13	15	bios with update same lock	US-PGPUB; USPAT	OR	ON	2006/10/17 12:31
L14	0	update with flash with memory with tamper\$	US-PGPUB; USPAT	OR	ON	2006/10/17 12:31
L15	0	update with flash with memor\$ with tamper\$	US-PGPUB; USPAT	OR	ON	2006/10/17 12:31
L16	9	update with flash with memor\$ same tamper\$	US-PGPUB; USPAT	OR	ON	2006/10/17 12:37
L17	1924	semiconductor adj storage adj device	US-PGPUB; USPAT	OR	ON	2006/10/17 12:37
L18	11	semiconductor adj storage adj device and security adj function	US-PGPUB; USPAT	OR	ON	2006/10/17 12:43
L19	1	"20020002654".pn. and registration adj lock	US-PGPUB; USPAT	OR	ON	2006/10/17 12:49
L20	1	"20020002654".pn. and (electrical erasure)	US-PGPUB; USPAT	OR	ON	2006/10/17 12:49
S1	789	semiconductor adj storage adj device	USPAT	OR	ON	2004/11/08 17:49
S2	31	semiconductor adj storage adj device same secur\$3	USPAT	OR	ON	2004/11/08 11:35
S3	316	semiconductor adj storage adj device and @py<"2000"	USPAT	OR	ON	2004/11/08 11:58

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S4	278	semiconductor adj storage adj device and @py<"1999"	USPAT	OR	ON	2004/11/08 11:48
S5	173	semiconductor adj storage adj device and non-volatile	USPAT	OR	ON	2004/11/08 11:49
S6	165	semiconductor adj storage adj device and non-volatile same memory	USPAT	OR	ON	2004/11/09 08:13
S8	20	semiconductor adj storage adj device and non-volatile same memory and secur\$3	USPAT	OR	ON	2004/11/08 11:53
S9	40	semiconductor adj storage adj device and @py<"2000" and secur\$3	USPAT	OR	ON	2004/11/08 13:24
S10	22	semi-conductor adj storage adj device	USPAT	OR	ON	2004/11/08 13:21
S11	153	semiconductor and storage and device and (non-volatile or nonvolatile) and EEPROM and secur\$3 and memory and switch\$3 adj circuit	USPAT	OR	ON	2004/11/08 13:26
S12	971	semiconductor and storage and device and (non-volatile or nonvolatile) and EEPROM and secur\$3 and memory and switch\$3 and circuit	USPAT	OR	ON	2004/11/08 13:26
S13	15	(semiconductor or semi-conductor) adj storage adj device and (non-volatile or nonvolatile) and EEPROM and secur\$3 and memory and switch\$3 and circuit	USPAT	OR	ON	2004/11/08 15:13
S14	5	("5872734"   "5898630"   "5901084"   "5999444"   "6285592").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 13:55
S16	7	("4821240"   "4864542"   "5377343"   "5396471"   "5406519"   "5559992"   "5838613").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 13:58
S17	5	("5872734"   "5898630"   "5901084"   "5999444"   "6285592").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 14:50
S18	7	(semiconductor or semi-conductor) adj storage adj device and (non-volatile or nonvolatile) adj memory and EEPROM and secur\$3 and switch\$3 and circuit	USPAT	OR	ON	2006/04/25 09:37
S23	59	(semiconductor or semi-conductor) adj (storage or memory) adj device same (non-volatile or nonvolatile) adj (storage or memory) same circuit same switch\$3 same memory	USPAT	OR	ON	2004/11/08 16:25
S28	4	(semiconductor or semi-conductor) adj (storage or memory) adj device same (non-volatile or nonvolatile) adj (storage or memory) same circuit same switch\$3 same memory and secur\$3	USPAT	OR	ON	2004/11/08 16:25
S30	18	((semiconductor adj storage adj device) or (semiconductor adj memory adj device)) and secur\$3 and (non-volatile or nonvolatile) and (rewrit\$4 or re-writ\$4) and array and key	USPAT	OR	ON	2004/11/08 16:35
S32	7	((semiconductor adj storage adj device) or (semiconductor adj memory adj device)) and secur\$3 and (non-volatile or nonvolatile) and (rewrit\$4 or re-writ\$4) and array and key and circuit and ("713"/\$.ccls. or "709"/\$.ccls. or "380"/\$.ccls. or "711"/\$.ccls.)	USPAT	OR	ON	2004/11/08 16:36
S33	5	("4716856"   "5829009"   "6330648"   "6389542"   "6397301").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 16:37
S34	8	("5452442"   "5537540"   "5684736"   "5715274"   "5745734"   "5805712"   "5896574"   "5918008").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 16:59
S35	8	("5452442"   "5537540"   "5684736"   "5715274"   "5745734"   "5805712"   "5896574"   "5918008").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 17:02
S36	14	("3798360"   "4004089"   "4484025"   "4751733"   "4914697"   "5666411"   "5692047"   "5752035"   "5835592"   "5847577"   "5867507"   "5890189"   "5898783"   "5963980").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 17:06
S37	224	713/201.ccls. and (semiconductor or semi-conductor)	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 17:07
S38	116	713/201.ccls. and (semiconductor or semi-conductor or semi adj conductor)	USPAT	OR	ON	2004/11/08 17:08

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S39	5	713/201.ccls. and ((semiconductor or semi-conductor or semi adj conductor) adj (storage or memory) adj device)	USPAT	OR	ON	2004/11/08 17:09
S42	34	semiconductor adj (storage or memory) adj device same memory same non-volatile same switch\$3 adj circuit	USPAT	OR	ON	2004/11/08 17:32
S43	4	semiconductor adj (storage or memory) adj device same memory same non-volatile same switch\$3 adj circuit and secur\$3	USPAT	OR	ON	2004/11/08 17:34
S44	4	semiconductor adj (storage or memory) adj device same memory same non-volatile same switch\$3 adj circuit and (secur\$3 or authent\$6)	USPAT	OR	ON	2004/11/08 17:34
S45	8	("5452442"   "5537540"   "5684736"   "5715274"   "5745734"   "5805712"   "5896574"   "5918008").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 17:39
S46	5	("4864542"   "5155829"   "5175840"   "5216633"   "5377343").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 17:46
S47	8	("5838613").URPN.	USPAT	OR	ON	2004/11/08 17:47
S48	312	semiconductor adj (storage or memory) adj device same secur\$3	USPAT	OR	ON	2004/11/08 17:50
S49	9	semiconductor adj (storage or memory) adj device same secur\$3 same (rewrit\$6 or re-writ\$6)	USPAT	OR	ON	2004/11/08 17:53
S50	312	semiconductor adj (storage or memory) adj device same secur\$3	USPAT	OR	ON	2004/11/08 17:53
S51	47	semiconductor adj (storage or memory) adj device same secur\$3 same nonvolatile	USPAT	OR	ON	2004/11/08 17:53
S52	62	semiconductor adj (storage or memory) adj device same secur\$3 same (nonvolatile or non-volatile)	USPAT	OR	ON	2004/11/08 17:53
S53	27	("4203158"   "4266628"   "4279024"   "4376947"   "4412309"   "4437174"   "4460982"   "4661833"   "4698750"   "4758986"   "4763305"   "4797856"   "4805151"   "4811294"   "4878203"   "4888734"   "4924437"   "4939690"   "4949309"   "4958317"   "4998220"   "5032881"   "5034922"   "5053990"   "5077691"   "5175840"   "5222046").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/08 17:59
S63	34	("4203158"   "4266283"   "4279024"   "4291388"   "4376947"   "4412309"   "4437174"   "4460982"   "4661833"   "4698750"   "4698787"   "4742492"   "4758986"   "4763305"   "4797856"   "4805151"   "4811294"   "4878203"   "4888734"   "4924437"   "4939690"   "4949609"   "4958317"   "4958321"   "4998220"   "5032881"   "5034922"   "5043940"   "5053990"   "5077691"   "5155701"   "5175840"   "5222046"   "5602987").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/09 08:41
S65	1257	semiconductor adj storage adj device	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/09 08:47
S66	585	semiconductor adj storage adj device same circuit	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/09 08:47
S67	791	semiconductor adj storage adj device	USPAT	OR	ON	2004/11/09 08:48
S68	144	(semiconductor adj storage adj device.detd.) and (semiconductor adj storage adj device.ab.) and (semiconductor adj storage adj device.clm.)	USPAT	OR	ON	2004/11/09 08:49
S69	28	(semiconductor adj storage adj device.detd.) and (semiconductor adj storage adj device.ab.) and (semiconductor adj storage adj device.clm.) and secur\$3	USPAT	OR	ON	2004/11/09 08:49
S80	791	semiconductor adj storage adj device	USPAT	OR	ON	2004/11/09 11:41
S81	316	semiconductor adj storage adj device and @py<"2000"	USPAT	OR	ON	2004/11/09 11:41
S82	40	semiconductor adj storage adj device and @py<"2000" and secur\$3	USPAT	OR	ON	2004/11/09 12:41
S10 5	523	semiconductor adj (storage or memory) adj device same output same register	USPAT	OR	ON	2004/11/09 16:22
S10 7	15	semiconductor adj storage adj device same output same register	USPAT	OR	ON	2004/11/09 16:34

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S10 8	3	semiconductor adj storage adj device same conversion adj circuit	USPAT	OR	ON	2004/11/09 16:39
S10 9	32	semiconductor adj storage adj device same register	USPAT	OR	ON	2004/11/09 16:39
S11 0	11	semiconductor adj storage adj device same register and @py<"2000"	USPAT	OR	ON	2004/11/09 16:40
S11 3	6	semiconductor adj storage adj device same (output adj signal) and register	USPAT	OR	ON	2004/11/09 16:41
S11 4	2	semiconductor adj storage adj device same (output adj signal) same register	USPAT	OR	ON	2004/11/09 16:48
S11 6	653	security same release same key	USPAT	OR	ON	2004/11/09 16:49
S11 7	41	security same release adj key	USPAT	OR	ON	2004/11/09 16:49
S11 9	3	lack same security same release same key	USPAT	OR	ON	2004/11/09 16:52
S12 0	791	semiconductor adj storage adj device	USPAT	OR	ON	2004/11/09 16:53
S12 1	12	semiconductor adj storage adj device and one-time	USPAT	OR	ON	2004/11/09 16:57
S12 2	608	one-time adj (programmable or ROM)	USPAT	OR	ON	2004/11/09 16:57
S12 3	19	one-time adj (programmable adj ROM)	USPAT	OR	ON	2004/11/09 16:58
S12 6	51	semiconductor adj storage adj device same register	US-PGPUB; USPAT	OR	ON	2004/11/10 08:42
S12 7	24	semiconductor adj storage adj device same register same output	US-PGPUB; USPAT	OR	ON	2004/11/10 08:43
S12 8	15	semiconductor adj storage adj device same register same output	USPAT	OR	ON	2004/11/10 08:50
S13 0	11	semiconductor adj storage adj device and output adj register	USPAT	OR	ON	2004/11/10 08:58
S13 2	9	semiconductor adj (storage or memory) adj device and (output same register same compar\$5 same key)	USPAT	OR	ON	2004/11/10 09:06
S13 3	259	semiconductor adj storage adj device and (unidirectional adj conversion adj circuit or conversion adj circuit or shift register)	USPAT	OR	ON	2004/11/10 09:07
S13 4	67	semiconductor adj storage adj device and (unidirectional adj conversion adj circuit or conversion adj circuit or shift adj register)	USPAT	OR	ON	2004/11/10 09:08
S13 5	34	semiconductor adj storage adj device and (unidirectional adj conversion adj circuit or conversion adj circuit or shift adj register) and @py<"2000"	USPAT	OR	ON	2004/11/12 09:18
S13 6	19	(one-time adj programmable adj ROM)	USPAT	OR	ON	2004/11/10 09:22
S13 9	19	(one-time adj programmable adj ROM)	USPAT	OR	ON	2004/11/10 09:29
S14 0	926	(one-time adj programmable adj ROM or OTPROM or OTP)	USPAT	OR	ON	2004/11/10 09:30
S14 1	117	(one-time adj programmable adj ROM) or OTPROM	USPAT	OR	ON	2004/11/10 09:30
S14 2	24	(one-time adj programmable adj ROM) or OTPROM and lock	USPAT	OR	ON	2004/11/10 09:31
S14 3	6	((one-time adj programmable adj ROM) or OTPROM) and lock	USPAT	OR	ON	2004/11/10 09:31
S14 4	16	semiconductor adj storage adj device and lack and @py<"2000"	USPAT	OR	ON	2004/11/10 09:51
S14 5	15	semiconductor adj storage adj device and (lack and read\$4) and @py<"2000"	USPAT	OR	ON	2004/11/10 09:52
S14 7	46	semiconductor adj storage adj device same (delay or wait adj operation)	USPAT	OR	ON	2004/11/10 10:30

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S14 8	16	semiconductor adj storage adj device same (delay or wait adj operation) and @py<"2000"	USPAT	OR	ON	2004/11/10 10:30
S14 9	142	(semiconductor adj (storage or memory) adj device) same (wait\$4 and writ\$4)	US-PGPUB; USPAT	OR	ON	2004/11/10 10:36
S15 0	41	(semiconductor adj (storage or memory) adj device) same (wait\$4 and writ\$4) and @py<"2000"	US-PGPUB; USPAT	OR	ON	2004/11/10 10:45
S15 1	167	(semiconductor adj (storage or memory) adj device) same (wait\$4 and writ\$4 amd secur\$3) and @py<"2000"	US-PGPUB; USPAT	OR	ON	2004/11/10 10:46
S15 2	167	(semiconductor adj (storage or memory) adj device) same (wait\$4 and writ\$4 amd secur\$3) and @py<"2000"	USPAT	OR	ON	2004/11/10 10:46
S15 5	8	(semiconductor adj storage adj device) same (wait\$4 and writ\$4 amd secur\$3) and @py<"2000"	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/10 10:48
S15 7	2	(semiconductor adj storage adj device) same (wait\$4 and writ\$4) and @py<"2000"	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/10 10:50
S15 8	301	(semiconductor adj (storage or memory) adj device) same ((wait\$4 or delay\$4) and writ\$4) and @py<"2000"	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/10 10:51
S15 9	301	(semiconductor adj (storage or memory) adj device) same ((wait\$4 or delay\$4) and writ\$4) and @py<"2000"	USPAT	OR	ON	2004/11/10 10:51
S16 7	62	(semiconductor adj (storage or memory) adj device) and read\$4 same (secur\$4 or data or key) same lack	US-PGPUB; USPAT	OR	ON	2004/11/10 14:01
S18 0	1768	register same buffer and semiconductor adj (storage or memory) adj device	US-PGPUB; USPAT	OR	ON	2004/11/10 16:09
S18 1	437	register same buffer same semiconductor adj (storage or memory) adj device	US-PGPUB; USPAT	OR	ON	2004/11/10 16:09
S18 2	288	register same buffer same semiconductor adj (storage or memory) adj device	USPAT	OR	ON	2004/11/10 16:09
S18 3	98	register same buffer same semiconductor adj (storage or memory) adj device and @py<"2000"	USPAT	OR	ON	2004/11/10 16:57
S18 5	14	semiconductor adj storage adj device and (unidirectional adj conversion adj circuit or conversion adj circuit) and @py<"2000"	USPAT	OR	ON	2004/11/12 09:33
S18 6	153	semiconductor adj memory adj device and (unidirectional adj conversion adj circuit or conversion adj circuit) and @py<"2000"	USPAT	OR	ON	2004/11/12 09:21
S18 7	153	semiconductor adj memory adj device and (unidirectional adj conversion adj circuit or conversion adj circuit or encryption adj circuit) and @py<"2000"	USPAT	OR	ON	2004/11/12 09:21
S19 0	573	semiconductor adj (memory or storage) adj device and (unidirectional adj conversion adj circuit or conversion adj circuit or encryption adj circuit)	US-PGPUB; USPAT	OR	ON	2004/11/12 09:22
S19 1	407	semiconductor adj (memory or storage) adj device and (unidirectional adj conversion adj circuit or conversion adj circuit or encryption adj circuit)	USPAT	OR	ON	2004/11/12 09:22
S19 4	8	semiconductor adj (storage or memory) adj device and (circuit same encrypt\$4) and @py<"2000"	USPAT	OR	ON	2004/11/12 10:04
S19 8	3	semiconductor adj (storage or memory) adj device and lock adj function	USPAT	OR	ON	2004/11/12 10:04
S20 0	14	("4864542" "5175840" "5335206" "5374847" "5539689" "5838613" "5966388" "5974513" "6163484" "6222779" "6229731" "6260172" "6415007" "6543017").PN.	US-PGPUB; USPAT	OR	ON	2005/07/28 08:14
S20 1	1	"20020002654".PN.	US-PGPUB; USPAT	OR	ON	2006/04/25 06:44
S20 2	1	"20020002654".PN.	US-PGPUB; USPAT	OR	ON	2006/04/25 06:46
S20 3	1590	711/103.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/25 06:46
S20 4	980	711/103.ccls.	USPAT	OR	ON	2006/04/25 09:45

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S20 5	4	("6229731" "5974513" "6543017" "5374847").pn.	USPAT	OR	ON	2006/04/25 08:17
S20 6	1	security adj release adj key	US-PGPUB; USPAT	OR	ON	2006/04/25 08:53
S20 7	1	"5708715".pn. and key	US-PGPUB; USPAT	OR	ON	2006/04/25 09:38
S20 8	17	(semiconductor or semi-conductor) adj storage adj device and (non-volatile or nonvolatile) adj memory and EEPROM and secur\$3 and switch\$3 and circuit	US-PGPUB; USPAT	OR	ON	2006/04/25 09:39
S20 9	100	("5417319" "6292830" "4771356" "4993249" "5416472" "5598151" "4274080" "4435966" "4472952" "4631358" "4763496" "4776187" "4807139" "4877179" "4986425" "5020346" "5235830" "5360246" "5451935" "5485733" "5823341" "5917908" "6176110" "6182480" "6374653" "6619079" "4288768" "4502305" "4506530" "4599876" "4244496" "4266415" "4313281" "4371205" "4413849" "4425771" "4450699" "4481796" "4534192" "4809326" "4941196" "5265451" "5487523" "5544440" "5561996" "5698073" "5754108" "5823025" "5865479" "6105406").pn. ("6182482" "5630057" "5708715" "5842212" "4797920" "4834238" "5390514" "5428684" "5497418" "5539825" "5708712" "5734571" "5841351" "5943283" "5982899" "6014748" "6089460" "6154840" "6185685" "4281216" "4405057" "4439808" "4477130" "4486057" "4599875" "4782529" "4809327" "4871065" "4908861" "4985615" "5025946" "5215189" "5238125" "5247575" "5293029" "5402492" "5475826" "5479512" "5479799" "5552897" "5694569" "5727065" "5737420" "5742807" "5748742" "5761733" "5784461" "5799090" "5917421" "5933854").pn.	USPAT	OR	ON	2006/04/25 09:45
S21 0	1	"4634807".pn.	US-PGPUB; USPAT	OR	ON	2006/04/25 12:45